

## Custom Standard

**Product Number:** CUS-11453

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**Lot Number:** CH-0501

**Lot Issue Date:** 14-Feb-2011

**Expiration Date:** 30-Sep-2011

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
1,2,4-trichlorobenzene	000120-82-1	00334TQ	100.2 ± 0.5 µg/mL
1,2-dichlorobenzene	000095-50-1	08946KY	100.3 ± 0.5 µg/mL
1,2-diphenylhydrazine	000122-66-7	12927HN	100.0 ± 0.5 µg/mL
1,3-dichlorobenzene	000541-73-1	05902LZ	100.3 ± 0.5 µg/mL
1,4-dichlorobenzene	000106-46-7	22628EB	100.3 ± 0.5 µg/mL
2,4,5-trichlorophenol	000095-95-4	07521CO	100.0 ± 0.5 µg/mL
2,4,6-trichlorophenol	000088-06-2	07509ME	100.3 ± 0.5 µg/mL
2,4-dichlorophenol	000120-83-2	HZ-05729EZ	100.3 ± 0.5 µg/mL
2,4-dimethylphenol	000105-67-9	010010	100.3 ± 0.5 µg/mL
2,4-dinitrophenol	000051-28-5	CEE-III-130	100.3 ± 0.5 µg/mL
2,4-dinitrotoluene	000121-14-2	18219TA	100.3 ± 0.5 µg/mL
2,6-dichlorophenol	000087-65-0	03518LN	100.3 ± 0.5 µg/mL
2,6-dinitrotoluene	000606-20-2	08328CR	100.3 ± 0.5 µg/mL
2-chloronaphthalene	000091-58-7	FIE01	100.1 ± 0.5 µg/mL
2-chlorophenol	000095-57-8	CS-09106BQ	100.3 ± 0.5 µg/mL
2-methylnaphthalene	000091-57-6	15416DA	100.3 ± 0.5 µg/mL
2-methylphenol	000095-48-7	09416AA	100.3 ± 0.5 µg/mL
2-nitroaniline	000088-74-4	13201TU	100.3 ± 0.5 µg/mL
2-nitrophenol	000088-75-5	N960045	100.3 ± 0.5 µg/mL
3,3'-dichlorobenzidine	000091-94-1	FCW01	100.3 ± 0.5 µg/mL

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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3-methylphenol	000108-39-4	03517AG	100.3 ± 0.5 µg/mL
4-methylphenol	000106-44-5	09410PI	100.3 ± 0.5 µg/mL
3-nitroaniline	000099-09-2	03020DL	100.3 ± 0.5 µg/mL
4,6-dinitro-2-methylphenol	000534-52-1	42136/4	100.1 ± 0.5 µg/mL
4-bromophenyl phenyl ether	000101-55-3	05819CO	100.2 ± 0.5 µg/mL
4-chloro-3-methylphenol	000059-50-7	MB-061657	100.3 ± 0.5 µg/mL
4-chloroaniline	000106-47-8	01310MW	100.3 ± 0.5 µg/mL
4-chlorophenyl phenyl ether	007005-72-3	28314CA	100.4 ± 0.5 µg/mL
4-nitroaniline	000100-01-6	3926DK	100.3 ± 0.5 µg/mL
4-nitrophenol	000100-02-7	LS-10425DR	100.3 ± 0.5 µg/mL
acenaphthene	000083-32-9	29697-41	100.2 ± 0.5 µg/mL
acenaphthylene	000208-96-8	ER030707-01	100.2 ± 0.5 µg/mL
anthracene	000120-12-7	33383-91	100.2 ± 0.5 µg/mL
benz[a]anthracene	000056-55-3	ER121707-01	100.2 ± 0.5 µg/mL
benzidine	000092-87-5	314498/1	100.0 ± 0.5 µg/mL
benzo[a]pyrene	000050-32-8	ER050707-01	100.2 ± 0.5 µg/mL
benzo[b]fluoranthene	000205-99-2	ER022008-02	100.2 ± 0.5 µg/mL
benzo[ghi]perylene	000191-24-2	ER041205-01	100.2 ± 0.5 µg/mL
benzo[k]fluoranthene	000207-08-9	34750-27	100.2 ± 0.5 µg/mL
benzoic acid	000065-85-0	00103JM	100.3 ± 0.5 µg/mL
benzyl alcohol	000100-51-6	11713BN	100.3 ± 0.5 µg/mL
bis(2-chloroethoxy)methane	000111-91-1	428-12A	100.3 ± 0.5 µg/mL
bis(2-chloroethyl) ether	000111-44-4	BC-013187	100.4 ± 0.5 µg/mL
bis(2-chloroisopropyl) ether	000108-60-1	PR-16041	100.3 ± 0.5 µg/mL

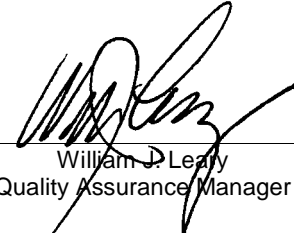
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Analyte	CAS#	Analyte Lot	True Value
bis(2-ethylhexyl) phthalate	000117-81-7	D-23230	100.2 ± 0.5 µg/mL
butyl benzyl phthalate	000085-68-7	05613ED	100.3 ± 0.5 µg/mL
carbazole	000086-74-8	CEE-III-129	100.0 ± 0.5 µg/mL
chrysene	000218-01-9	ER081006-02	100.2 ± 0.5 µg/mL
dibenz[a,h]anthracene	000053-70-3	ER091206-01	100.2 ± 0.5 µg/mL
dibenzofuran	000132-64-9	080477	100.3 ± 0.5 µg/mL
diethyl phthalate	000084-66-2	09615KD	100.1 ± 0.5 µg/mL
dimethyl phthalate	000131-11-3	D-44220	100.0 ± 0.5 µg/mL
di-n-butyl phthalate	000084-74-2	AC-011687	100.1 ± 0.5 µg/mL
di-n-octyl phthalate	000117-84-0	0001418030	100.0 ± 0.5 µg/mL
fluoranthene	000206-44-0	LB61080	100.3 ± 0.5 µg/mL
fluorene	000086-73-7	04003CK	100.2 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	02927MC	100.3 ± 0.5 µg/mL
hexachlorobutadiene	000087-68-3	339923/1	99.8 ± 0.5 µg/mL
hexachloroethane	000067-72-1	12604HB	100.3 ± 0.5 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	ER082107-02	100.2 ± 0.5 µg/mL
isophorone	000078-59-1	10830MQ	100.3 ± 0.5 µg/mL
naphthalene	000091-20-3	14205KB	100.1 ± 0.5 µg/mL
nitrobenzene	000098-95-3	DI-10604DI	100.3 ± 0.5 µg/mL
N-nitrosodimethylamine	000062-75-9	12073JS	100.1 ± 0.5 µg/mL
N-nitrosodi-n-propylamine	000621-64-7	FIM01	100.3 ± 0.5 µg/mL
N-nitrosodiphenylamine	000086-30-6	286003	100.3 ± 0.5 µg/mL
N-nitrosopyrrolidine	000930-55-2	04025BM	100.1 ± 0.5 µg/mL
pentachlorophenol	000087-86-5	07119HO	100.3 ± 0.5 µg/mL

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phenanthrene	000085-01-8	07419ME	100.2 ± 0.5 µg/mL
phenol	000108-95-2	1373574	100.3 ± 0.5 µg/mL
pyrene	000129-00-0	01216PE	100.2 ± 0.5 µg/mL
2-fluorophenol	000367-12-4	09006DO	100.5 ± 0.5 µg/mL
phenol-d5	004165-62-2	11-9925B	100.4 ± 0.5 µg/mL
phenol-d6	013127-88-3	P-7222	100.0 ± 0.5 µg/mL
nitrobenzene-d5	004165-60-0	PR-16900	100.5 ± 0.5 µg/mL
2-fluorobiphenyl	000321-60-8	MKAA3698	100.4 ± 0.5 µg/mL
2,4,6-tribromophenol	000118-79-6	MT-02712MT	100.4 ± 0.5 µg/mL
p-terphenyl-d14	001718-51-0	PR-15513	100.5 ± 0.5 µg/mL

Matrix: methylene chloride/benzene (3:1)

Storage: Store at &lt; 4° C

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